Southeastern European Defense Ministerial Conference April 2000
“Integrating Safety & Occupational Health with Environmental Security”

Mr Craig Schilder

Assistant for Safety, Office of Deputy Under Secretary

of Defense (Environmental Security)

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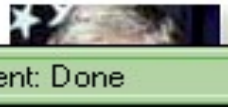

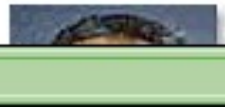

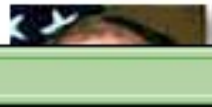

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Randall Yim

Gary D. Vest

Principal Assistant Deputy Under Secretary of Defense (Environmental Security)

Gary D. Vest is the Principal Assistant Deputy Under Secretary of Defense for Environmental Security. He assists and acts for the Deputy Under Secretary in establishing policy for, and overseeing implementation of all worldwide environmental, safety, occupational health, explosive safety, pest management, and fire and emergency services matters of the Department of Defense.

He was the Deputy Assistant Secretary of the Air Force for Environment, Safety and Occupational Health, Air Force Deputy for Environment, Safety and Occupational Health, and Assistant to the Chief of the Air Force Environmental Division. Earlier he was a community planner at HQ U.S. Air Force, Assistant Chief of Air Training Command Master Planning, Chief of Programs and Base Master Planner at Laughlin Air Force Base, Texas and Associate City Planner in Redmond, Washington. Before joining the Defense Department, Mr. Vest held positions with the Department of Interior Bureau of Land Management, University of Idaho, University of Washington, a real estate consulting firm, and as a

Proclamation

Accident Prevention

June is National Safety Month, a time to focus on the most important resource we have, our people. Our safety record is exceptional and every member of the Department of Defense should be proud of our record. However, we can do better. Every life lost is irreplaceable. Every day lost to injury and occupational illness is avoidable.

Last September, after a spate of aircraft accidents, I asked the Services to implement a 24 hour safety stand down of training flights to give those who fly and maintain U.S. military aircraft time to focus on making flying as safe as possible. Also last year, I asked the DoD Inspector General to let me know how our safety program is working to protect our people. They say we are doing a good job. But rates for accidents, occupational illnesses, and fires have plateaued in many areas. I say we can do better.

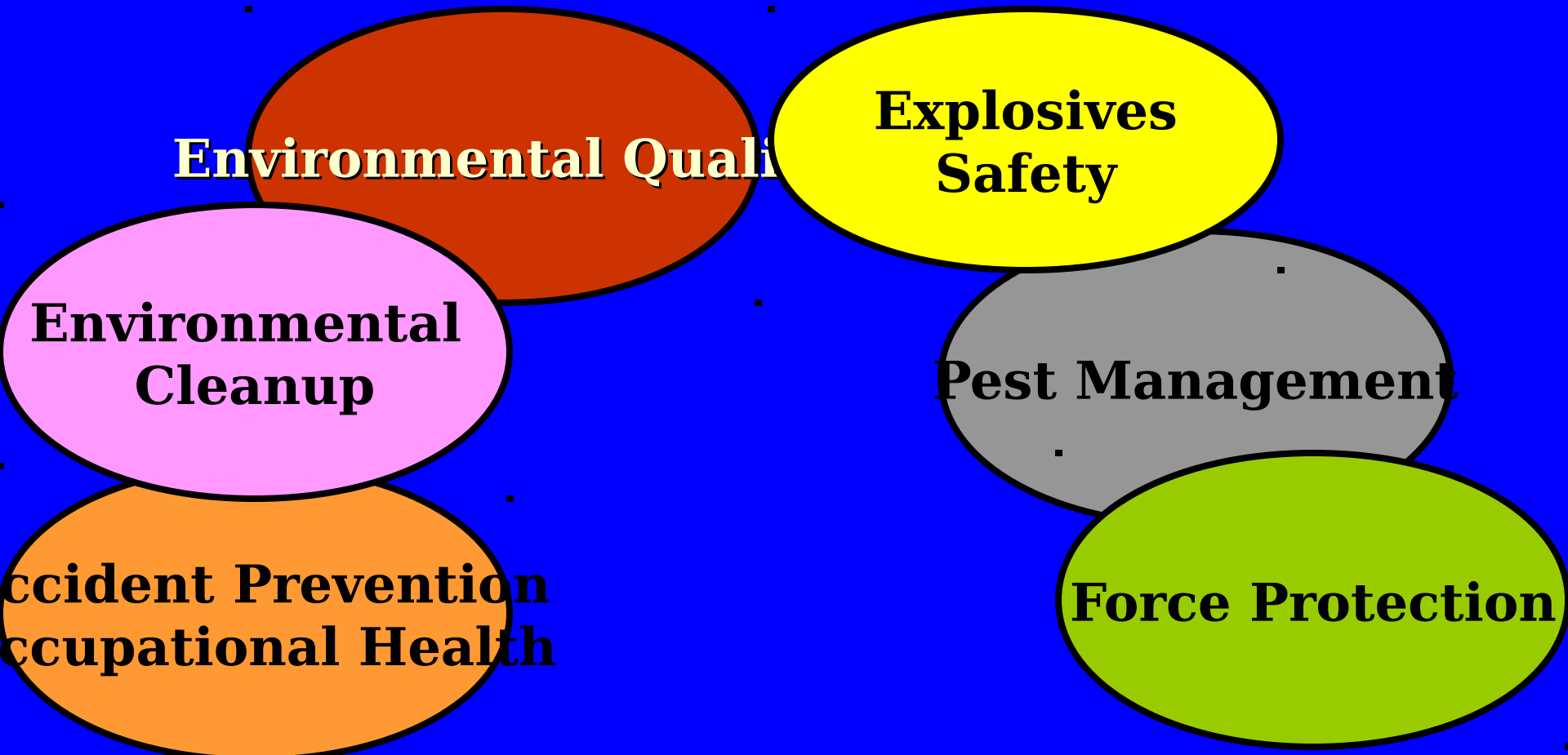
I have stated that even one accident is too many, and I continue to advocate continuous improvement until we reach a goal of zero accidents, occupational illnesses, and fires. This is an ambitious goal, but to endorse any other goal legitimizes the acceptance of harm. The goal is achievable. Small Defense organizations frequently have long periods without accidents. Large Defense organizations routinely go accident free for days, weeks, and even months. Working together, I believe we can and will move toward this goal.

Accidents, occupational illnesses, and fires are an avoidable waste of human and material resources. I therefore would like each of you to help me take the next step throughout the Department by adopting goals of zero accidents, occupational illnesses, and fires as core values of our large organization. Safety is not something we simply add to the task at hand, it must be an integral part of everything we do – both on- and off -duty.

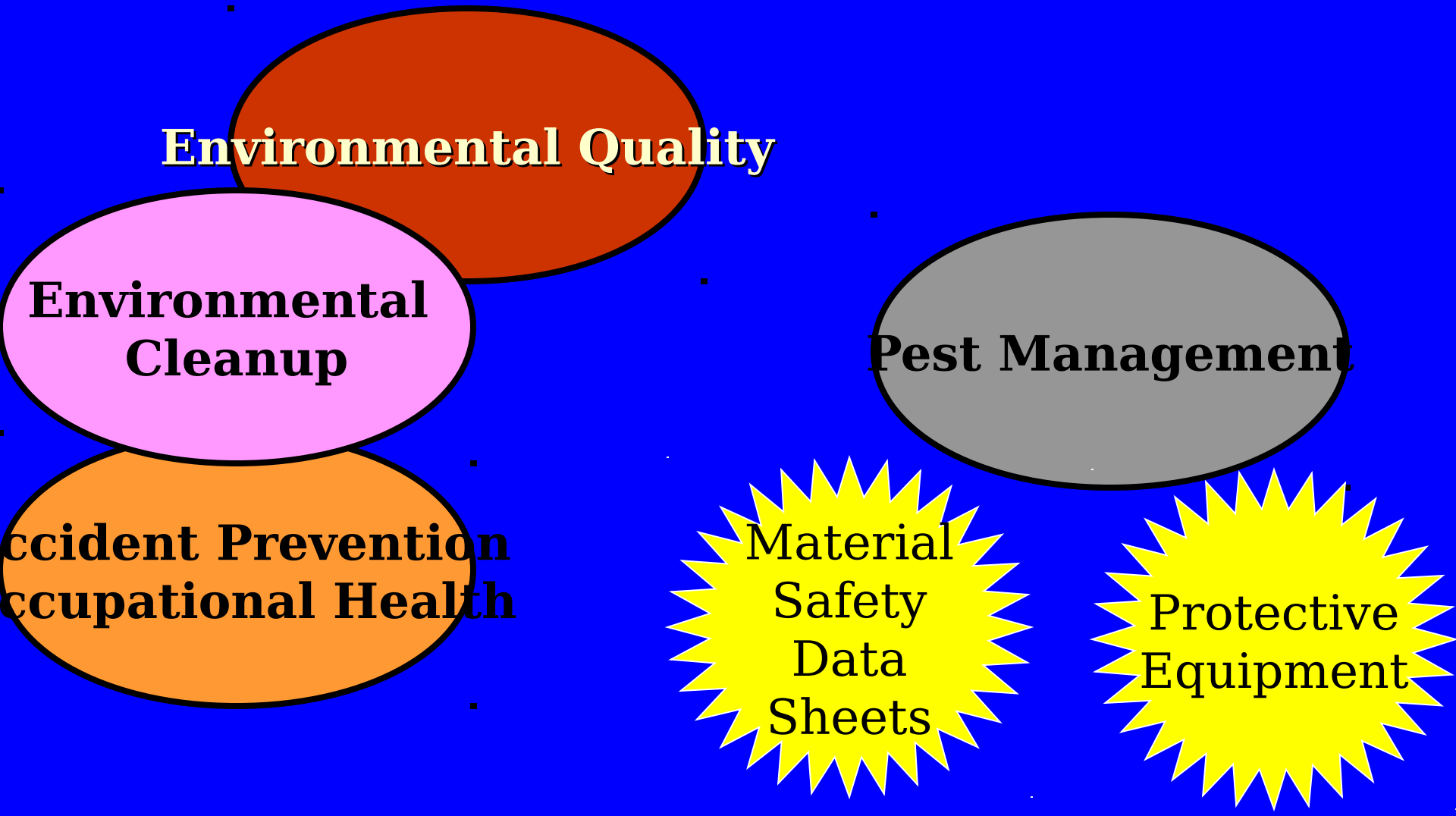
Now, therefore, I, William S. Cohen, Secretary of Defense of the United States of America, do hereby proclaim that accident, occupational illness, and fire prevention is critical to the Defense Department mission and that in the spirit of National Safety Month, we can, must, and will journey together to a safer future.

William S. Cohen

Environmental Security: Who We Are

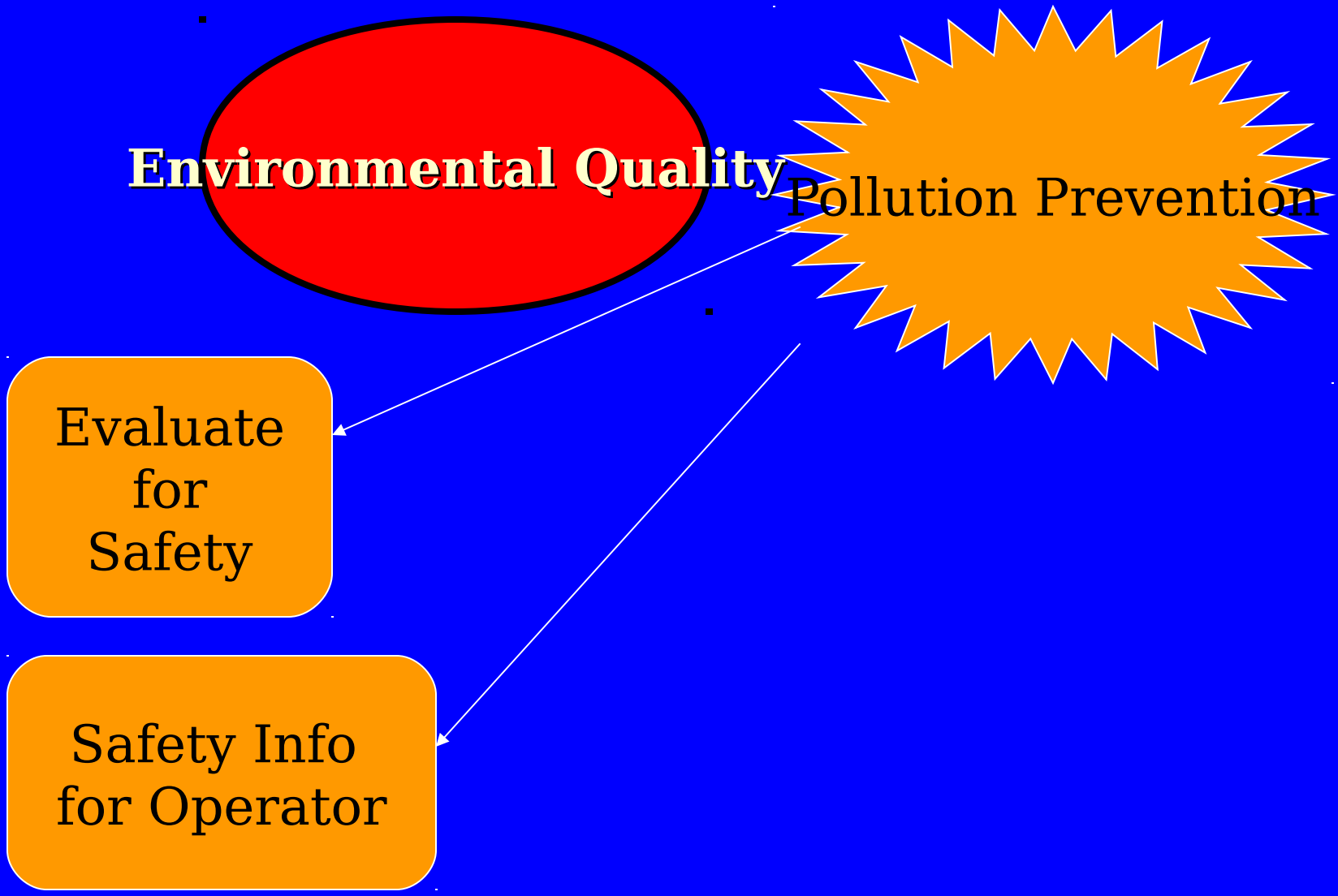


Safety & Health Integration

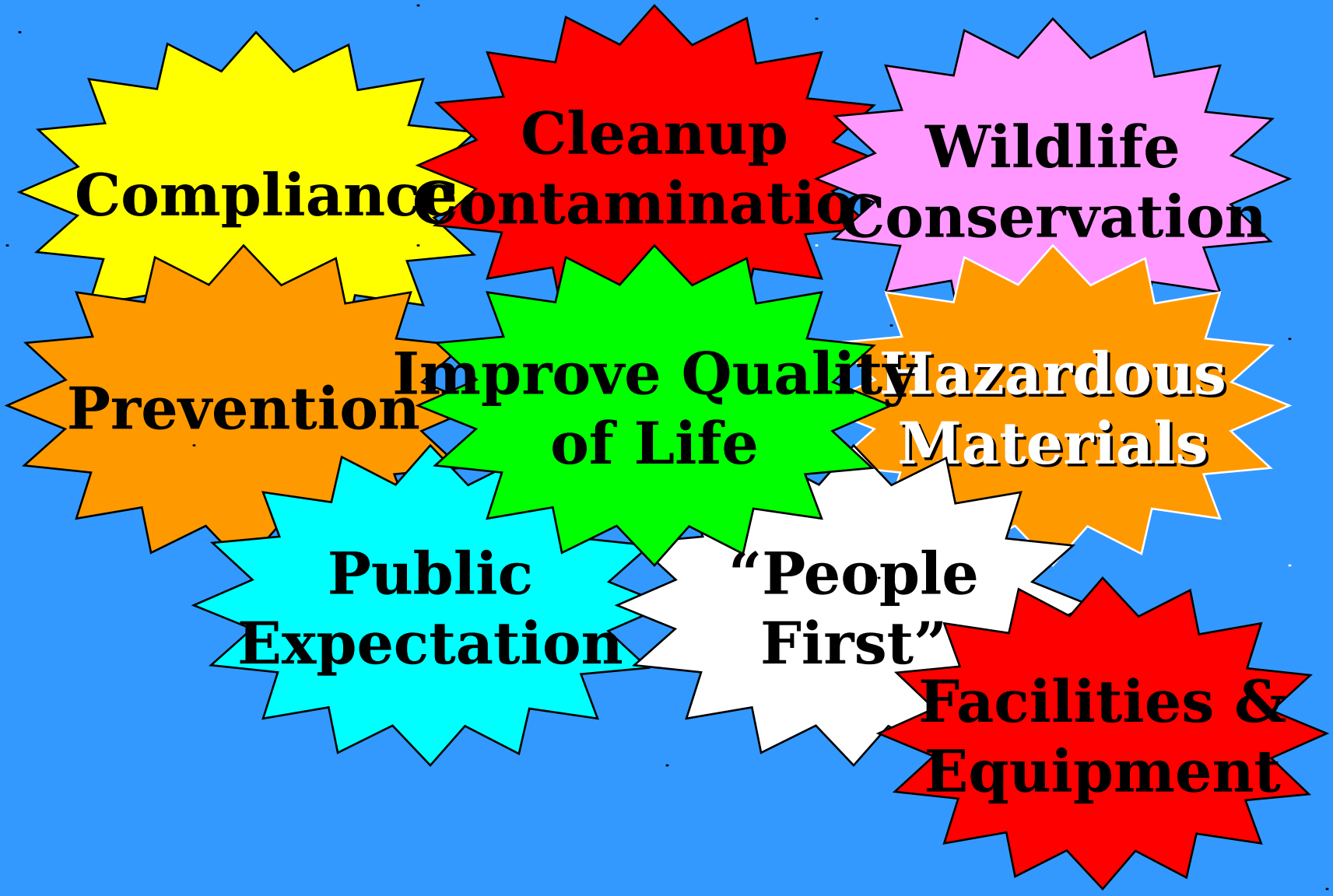


Safety & Health Integration

Safety & Health Integration



Environment, Safety & Health In Common



ESOH
Functional Responsibilities

IND. HYGIENE
Annual survey
Exposure Sampling
Med exams needed
Eng. control checks
Indoor Air Quality
Asbestos
HAZMAT toxicity
PPE
Occupational Noise
Training
Ergonomics
Project Reviews
Occ. Lead Control

SAFETY
Annual surveys
Hazard Abatement
Med Surv Mgnt
Respirator Mgr
Electrical Safety
Confined Spaces
Asbestos
PPE
HAZMAT Mgr
Hearing Conservation
Training
Project Reviews
Ergonomics
Occ. Lead Control

ENVIRONMENTAL
Annual surveys
Environ. Samplin
Water Quality
Air Quality
HAZMAT / WASTE
Asbestos
PPE
Endangered species
Community Noise
Training
Env. Lead Control
Project Reviews

NAS SIGONELLA SICILY

ENVIRONMENTAL & SAFETY

GROWING STRONGER TOGETHER

SAFETY + ENVIRONMENTAL

- One Department Since October 1997
- Report Directly to the Commanding Officer
- Joint Ventures:
  - HAZMAT Minimization
  - Pollution Prevention
  - Committees
    - Hazardous Substance Committee
    - Authorized Use List Committee
    - Pollution Prevention Committee
- Joint Training: New Employee Orientation & Hazardous Substance
- Combined Inspections
- Combined Awareness: Lead Paint and Asbestos

ESOH ORGANIZATION

COMMANDING OFFICER
CAPT ARNE J NELSON
NAS SIGONELLA

EXECUTIVE OFFICER
CAPT C E JAMISON
NAS SIGONELLA

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GS-13
(CODE 80)

AVIATION SAFETY OFFICER
LT BLAIR SMITH
(CODE 80)

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GS-05
MS. JONES

ASSISTANT AVIATION SAFETY OFFICER
AMS1 BEARD
E-6

SAFETY SPECIALIST/MR. HALL
GS-12
SUPERVISOR **(CODE 81)**

ENVIRONMENTAL ENGINEER/MS JOHNSON
(SUPERVISOR)
GS-12

WEAPONS SAFETY OFFICER
MR. BLEVINS
GS-12

SAFETY SPECIALIST
VACANT
GS-11

ENVIRONMENTAL SPECIALIST/MS. BALABIS
GS-11

ASSISTANT WEAPONS SAFETY OFFICER/VACANT
GS-11

SAFETY SPECIALIST
MR. DISQUE
GS-11

ENVIRONMENTAL ENGINEER/MR. CACIA
UA-01

WEAPONS SAFETY BRANCH

SAFETY SPECIALIST
VACANT
GS-11

ENVIRONMENTAL SPECIALIST/MR. DESANTO
GS-09

SAFETY SPECIALIST
BRUNO MAIO (MILITARY)
HTC/E-7

ENVIRONMENTAL SPECIALIST//MS. VILLANUEVA
GS-11

SAFETY SPECIALIST
MR. RUSSO
UA-01

PROPERTY MGR
ABE I ROBINSON
MILITARY
E-6

SAFETY SPECIALIST
MR. CAMPANELLA
UA-01

PROPERTY DISPOSAL CLERK
MR. GASSO
UA-06/RECYCLING

SAFETY SPECIALIST
MR. MENTA
UA-01

OFFICE AUTOMATION CLERK/MR. DAVIS
GS-05

ADMINISTRATIVE ASSISTANT/YNSN
NEMANIC

ADMINISTRATIVE ASSISTANT/AZ2
QUINTANA

GROUND SAFETY BRANCH

ENVIRONMENTAL DIVISION

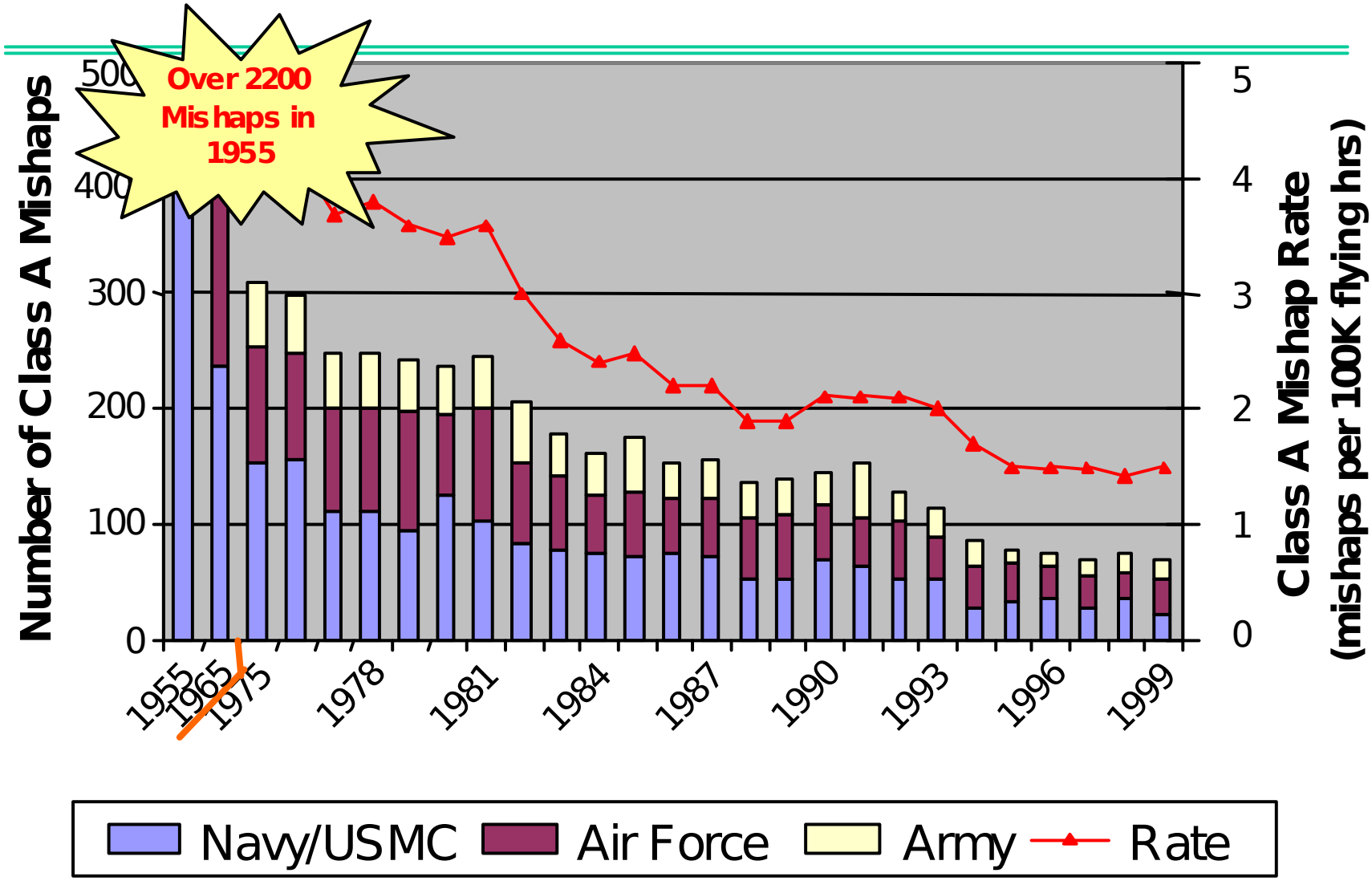
Safety & Health Integration

Environmental Quality

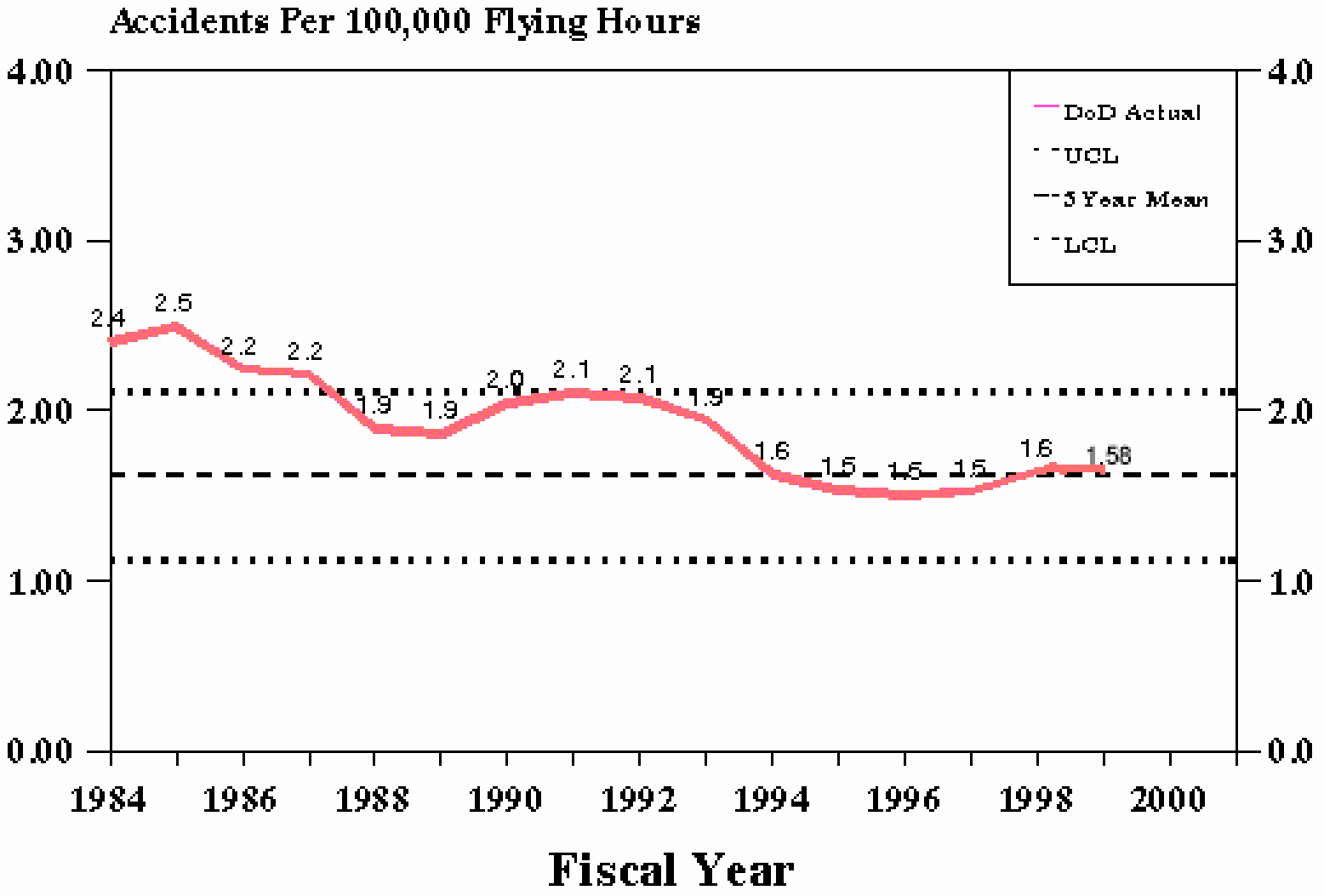
Pollution Prevention

Wildlife Conservation

Background: Aviation Class A Mishap History



FY 99 DoD Aviation Class A Accident Rate



UCL & LCL indicate statistically significant upper and lower control limits.
Control Limits calculated using FY93-97 data points.

Bird/Animal Strike Hazards

BASH - Netscape

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http://www.safetycenter.navy.mil

The Naval Safety Center

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Bird Aircraft Strike Hazard

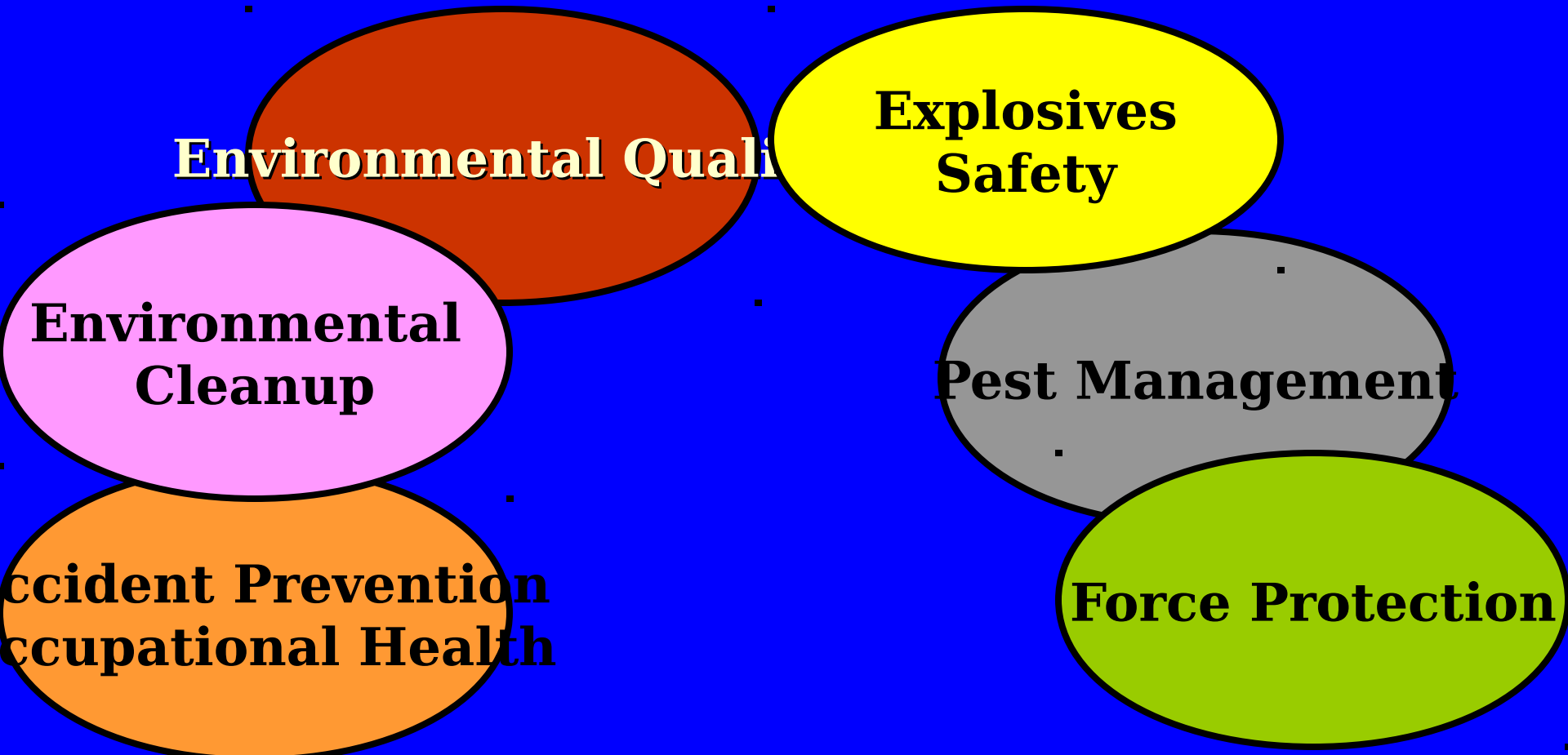
The Bird Aircraft Strike Hazard (BASH) potential at Navy and Marine air stations is a manageable hazard. Bird management measures are required to reduce hazardous bird/animal activity relative to airport flight operations. Opnav requires commands to develop a BASH plan that would be implemented as a bird/animal conflict occurs. This information is provided to assist your command in setting up a local Bash Reduction Plan. The guidance to develop and find the people that will assist establish a comprehensive Bash Plan are enclosed. The Safety Center provides a list of references and outlines the responsibility of different command instructions and Bash reduction plans provided to use as examples outlining some of the minimum requirements of a bash plan.

Download Bash reduction Plan HERE:

Fill out BASH form HERE:

Document: Done

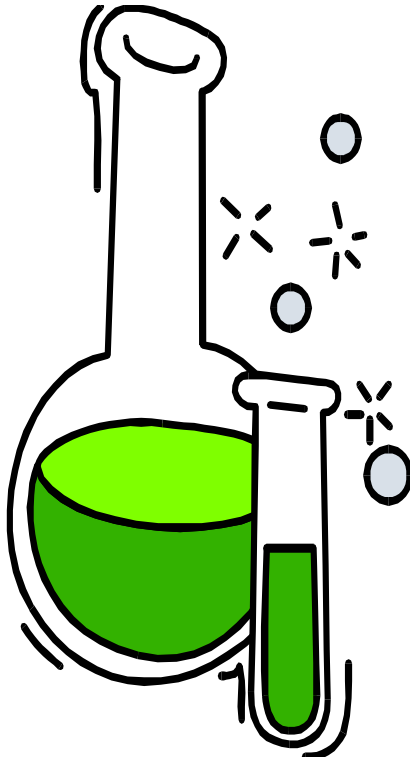
Environmental Security: Who We Are



Safety & Health Requirements

HAZARDOUS MATERIAL

- Toxic
- Flammable
- Carcinogenic
- Reactive
- Radioactive
- Teratogenic
- Irritation
- Sensitization
- Explosive
- Biological
- Corrosive
- Mutagenic



LEVEL A PROTECTION

- **Unknown conditions (i.e., O2 level)**

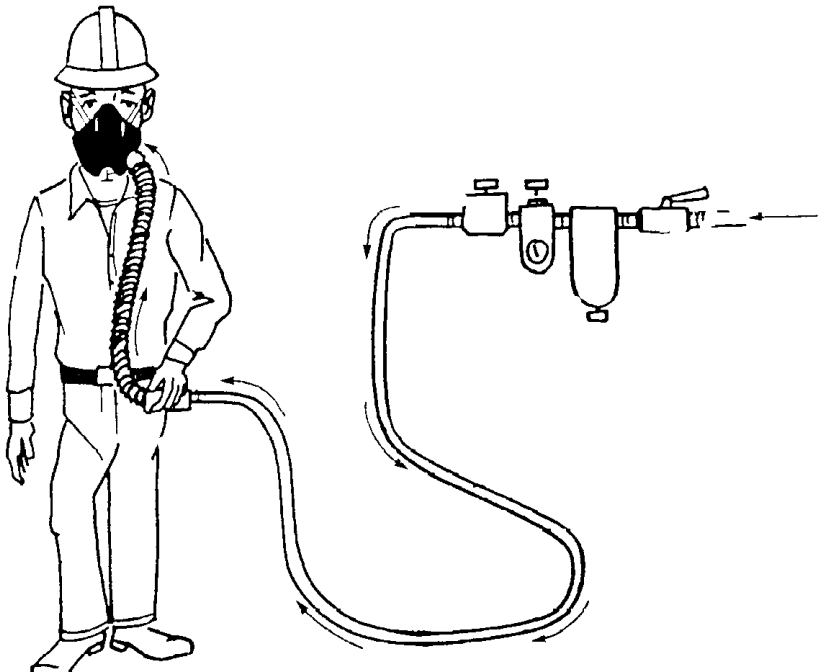
- **Highest level of protection required for HAZMAT's EXTREME toxicity and/or handling conditions**

- **High potential for splash or immersions during operatio exists**

- **Confined space operations are performed**

LEVEL B EQUIPMENT

- **Positive-pressure, supplied-air respirator**
- **Hooded, chemica suit**
- **Inner clothing**

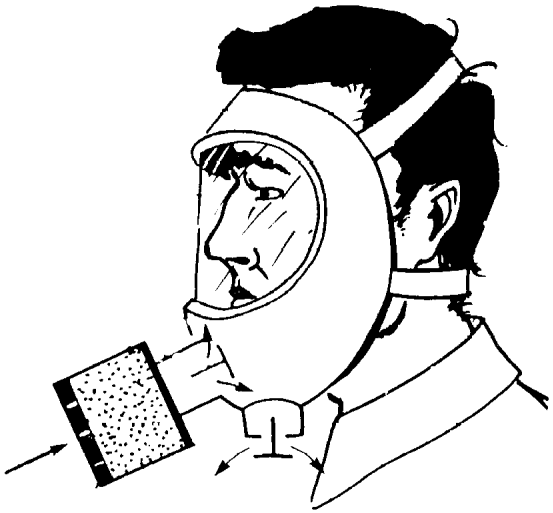


LEVEL C PROTECTION

- **IDLH atmosphere does not exist**

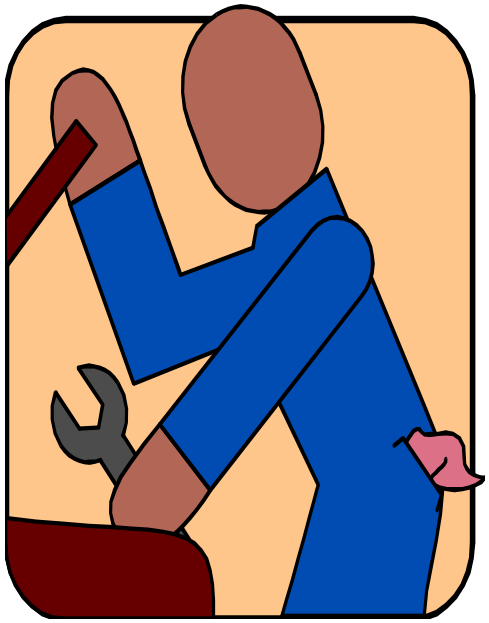
- **Atmosphere contains at least 19.5% oxygen for APR usage criteria have been met**

- **Skin will not be adversely affected by contaminants present**



LEVEL D PROTECTION

- **Work uniform, coveralls**
- **Gloves**
- **Safety boots or shoes**



Hazardous Waste Operations & Emergency Response OSHA Standards (29 CFR 1910.120)*

- 1910.120 - Hazardous waste operations and emergency response.
- 1910.120 App A - Personal protective equipment test methods.
- 1910.120 App B - General description and discussion of the levels of protection and protective gear.
- 1910.120 App C - Compliance guidelines.
- 1910.120 App D - References.
- 1910.120 App E - Training Curriculum Guidelines

* http://www.osha-slc.gov/OshStd_toc/OSHA_Std_toc_1910.html

Hazardous Waste Operations & Emergency Response US Army Corps of Engineers (EM 385-1-1)*

- Hazardous, Toxic, and Radioactive Waste (HTRW)and Underground Storage Tank (UST) Activities.
- Hazard Evaluation and control.
- Training (40 hour and 8 hour)
- Pre entry Briefings
- Medical Surveillance
- Inspections
- Emergency Operations
- Site-Specific Safety & Health Plan
- Site Characterization & Initial Site Entry
- Protective Equipment & Site Monitoring & Sampling
- UST Removal
- Handling Drums and Containers
- Decontamination
- Emergency Response

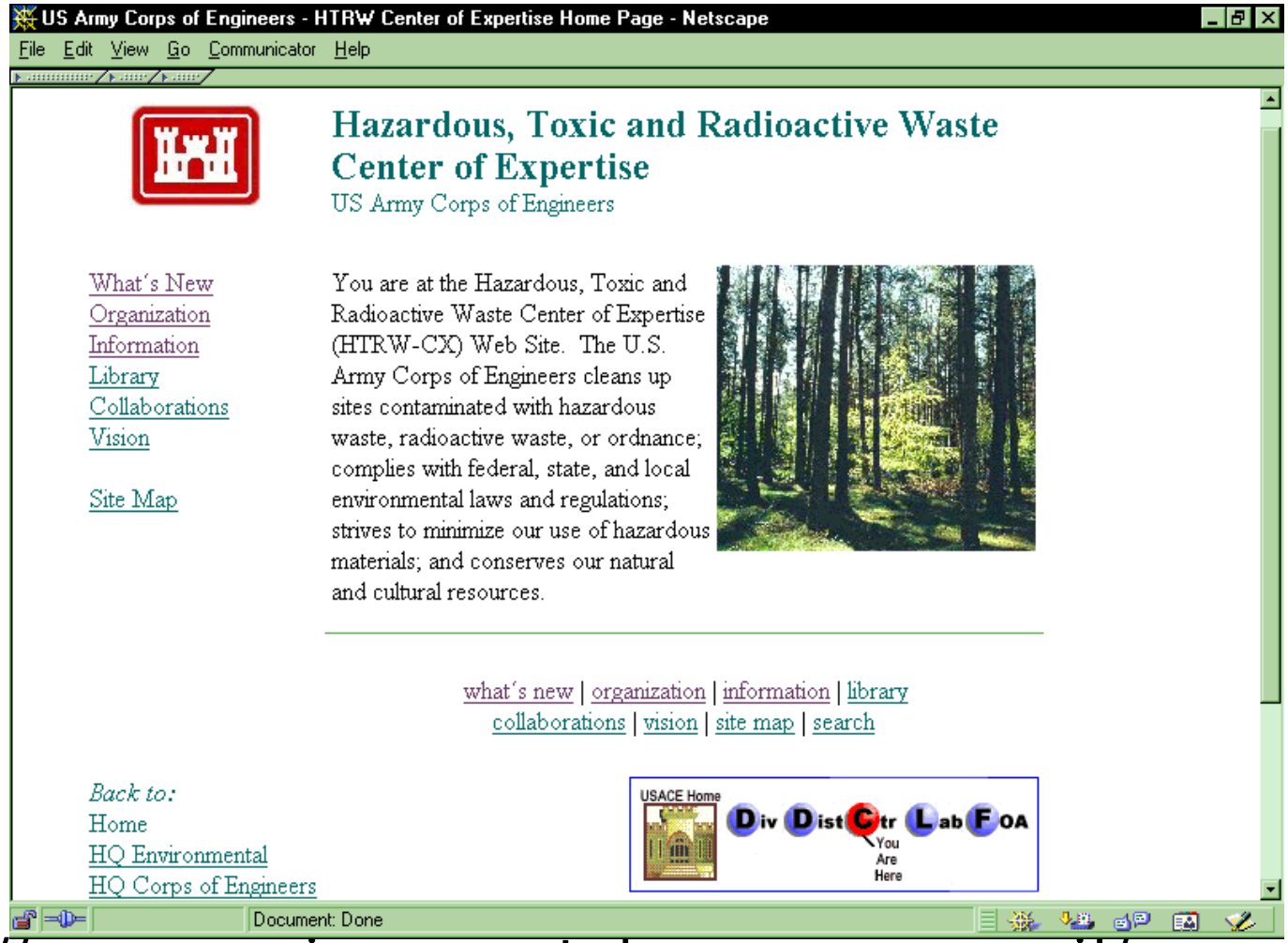
http://www.usace.army.mil/inet/usace-docs/eng-manuals/em385-1-1/toc.htm

US Navy Environmental Health Center Health and Safety Services

- **Site-Specific Health and Safety Plan Review & Development**
- **Checklist Review Document**
- **On-Site Consultation**
- **Risk Communication Training**

http://www-nehc.med.navy.mil/ep/

US Army Corps of Engineers
CX: HTRW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Hazardous, Toxic and Radioactive Waste Center of Expertise
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US Army Corps of Engineers "Restoration Reporter"

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Published by the U.S. Army Corps of Engineers
Hazardous, Toxic and Radioactive Waste Center of Expertise
Volume 13 - September, 1999
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Innovative Technology Information Service is Available to Corps Employees
Corps Announces Revised Course on the CERCLA/RCRA Remediation Process
HTRW CX and Philadelphia District Workshop Focuses on Reducing Customer's Remedial System Operating Costs
Asbestos and Lead Based Paint Standard Scopes of Work Near Completion
Hot Topics -- In-Situ Thermal Treatment Offers Hope for Difficult NAPL Sites
"Management of EPA Superfund Interagency Agreements (IAG's) and Cost Recovery" -- A New Training Course Developed by USACE and EPA
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National Safety Council

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International Safety C

The world is turning to the International Safety Council

The International Safety Council, the National Safety Council's global subsidiary, continues to expand its presence worldwide. We provide training, expertise, products and services related to all areas of safety, health and the environment.

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- About the International Safety Council [Espanol]
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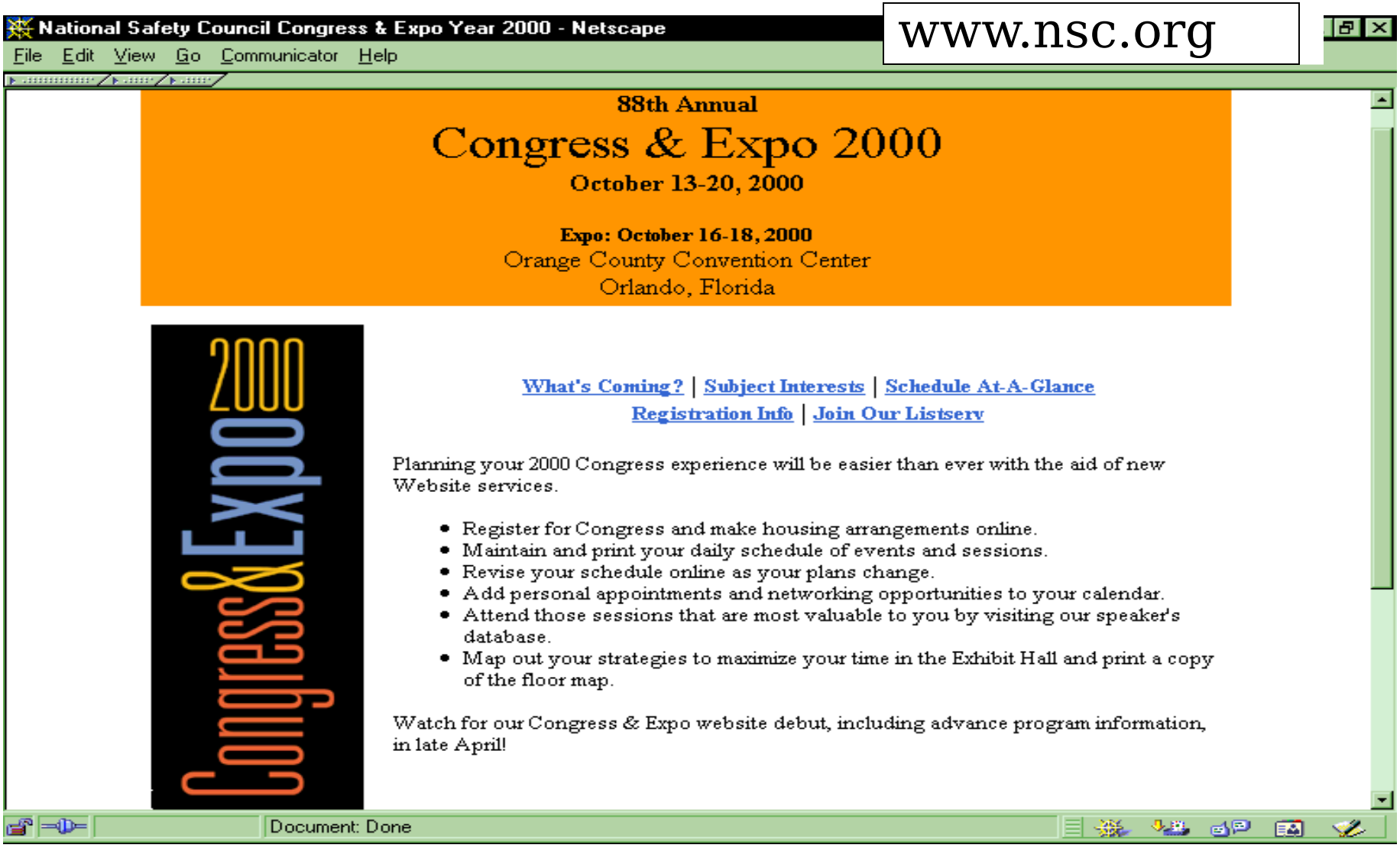
National Safety Congress
13-20 October 2000

www.nsc.org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Expo: October 16-18, 2000
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Orlando, Florida
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Revise your schedule online as your plans change.
Add personal appointments and networking opportunities to your calendar.
Attend those sessions that are most valuable to you by visiting our speaker's database.
Map out your strategies to maximize your time in the Exhibit Hall and print a copy of the floor map.
Watch for our Congress & Expo website debut, including advance program information, in late April!
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Air Quality

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Climate Change

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Hazardous Chemicals

Radioactive Waste

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"... to foster improved public understanding of significant health risks and challenges facing modern society."

Last updated March 1, 2000.

Highlights

- Learn what you, the public, can do to get involved in protecting your current and future drinking water quality.
- The Cleaner Cars Module is now available for free to schools. For all others, it is $60.00.
- EHC has released a new video, Environmental Safety: What Every Parent Should Know, whic exposes today's common environmental health risks.
- Kids, spring isn't too far away. Why not build a bird bath.

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Environmental Health Center

A Division of the National Safety Council

1025 Connecticut Avenue, NW, Suite 1200, Washington, DC 20036

(202) 293-2270 (tel); (202) 293-0032 (fax)

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Association Of State Dam Safety Officials

Association of Dam Safety Officials - About ASDSO
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http://www.damsafety.org
Association of
State Dam Safety Officials
A national, non-profit association dedicated to the improvement of dam safety through research, education and communication.
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Legislative Activities
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Strategic Plan
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About ASDSO
The safe design, operation and repair of all dams, privately and publicly owned, is the responsibility of engineers, dam owners and dam operators. Since its formation in 1984, the Association of State Dam Safety Officials (ASDSO) has served as one of the premier professional organizations for individuals committed to ensuring the safety of dams in the U.S.
Membership in ASDSO is advantageous for government officials, engineering consultants, contractors, manufacturers and suppliers, researchers, teachers, dam owners and operators and university students.
Objectives & Activities
... To improve the efficiency and effectiveness of state dam safety programs.
1. Regions and Chapters-Five major regions meet regularly and hold regional training seminars. ASDSO is also beginning an effort to strengthen local participation through chapter development. State groups and regional groups are encouraged to meet and exchange information. The State of Ohio and the Mid-Atlantic Council for Safe Dams are formally organized as chapters.
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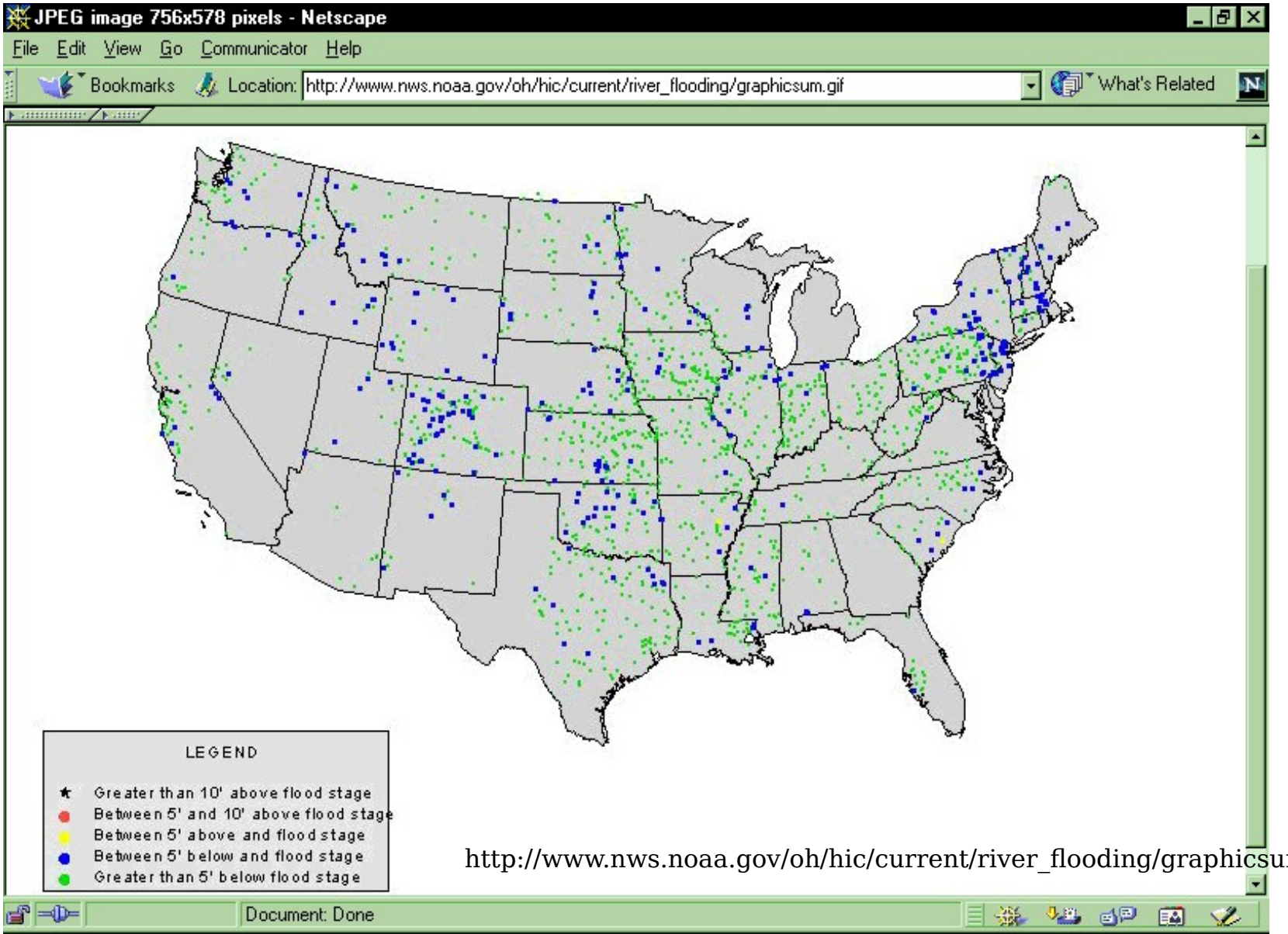
River Conditions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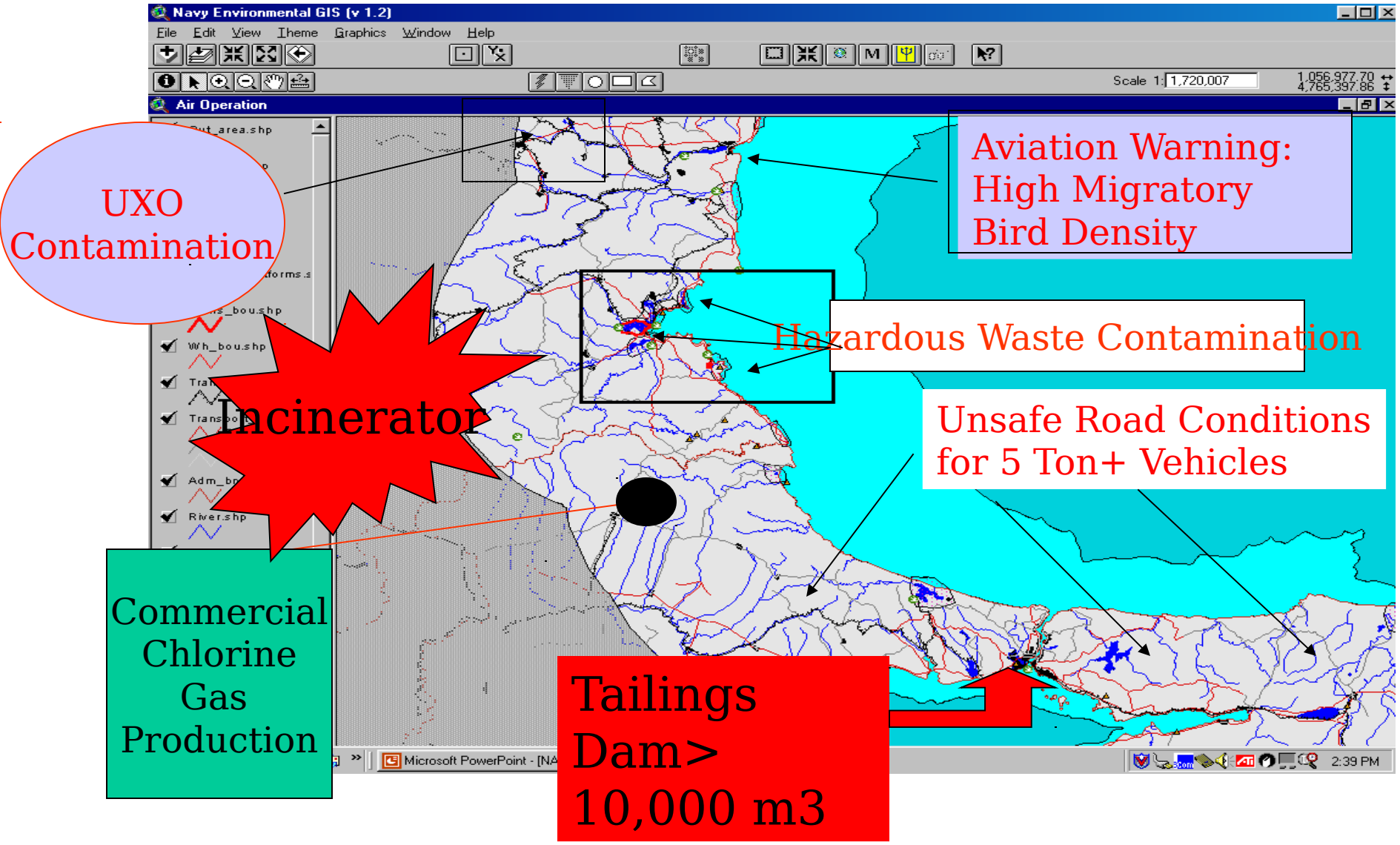
Environmental GIS Use for Accident Prevention



Defense Environmental Information Exchange (DENIX)

- http://www.denix.osd.mil/SOH-public
- http://www.denix.osd.mil/MAPP (Intl)
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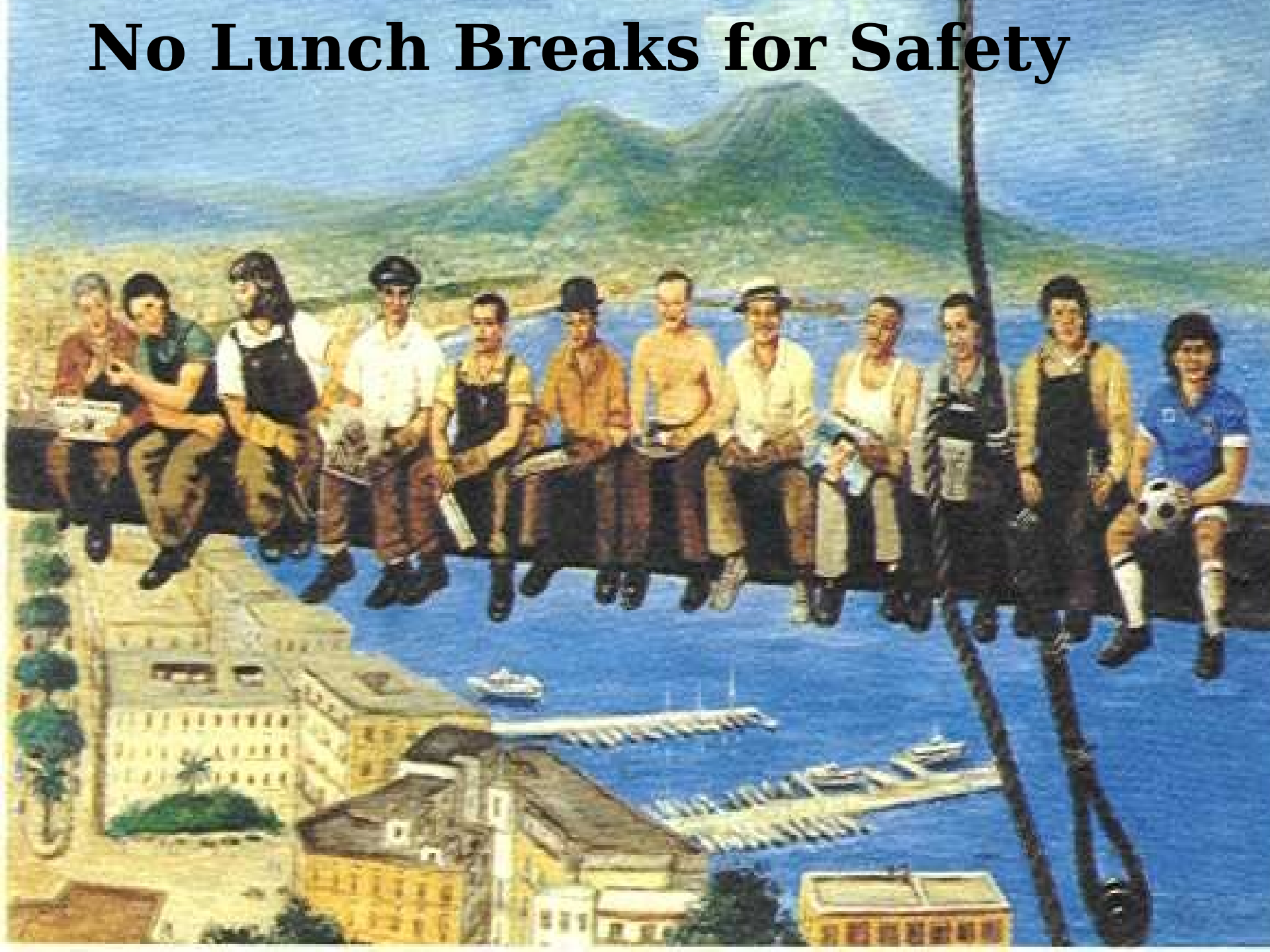
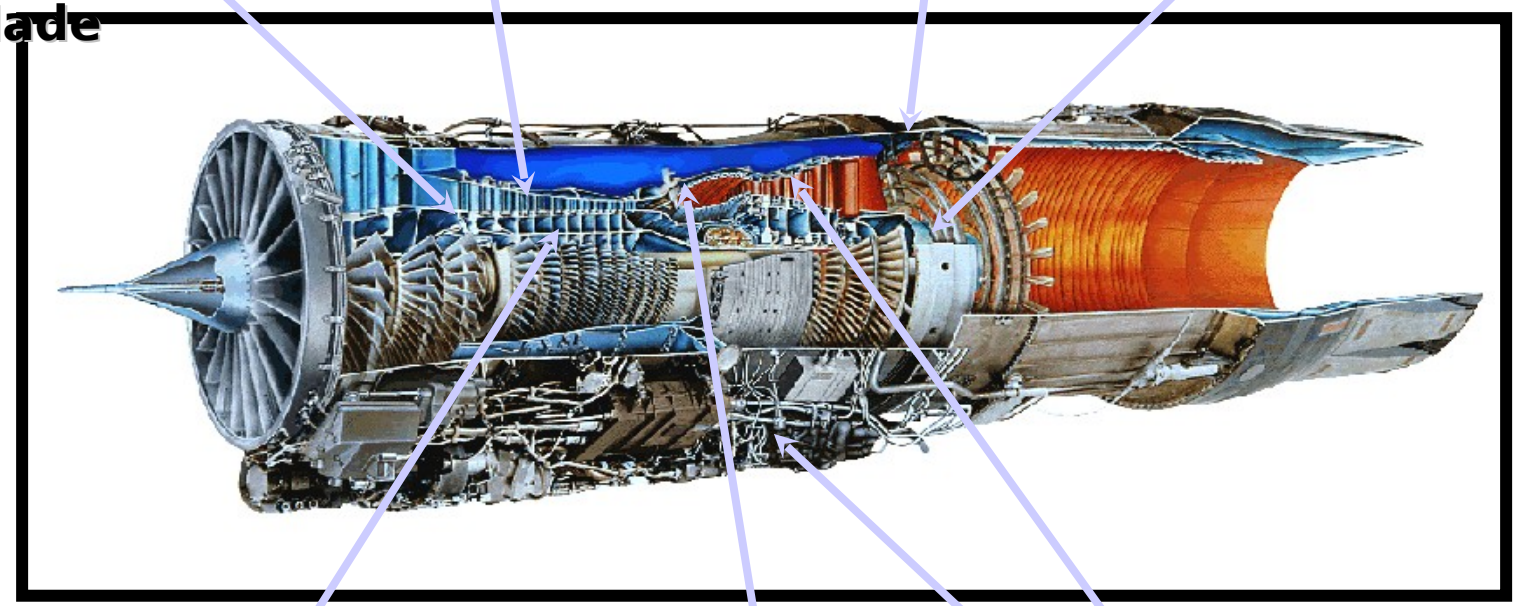
Defense Environmental Information Exchange (DENIX)

No Lunch Breaks for Safety

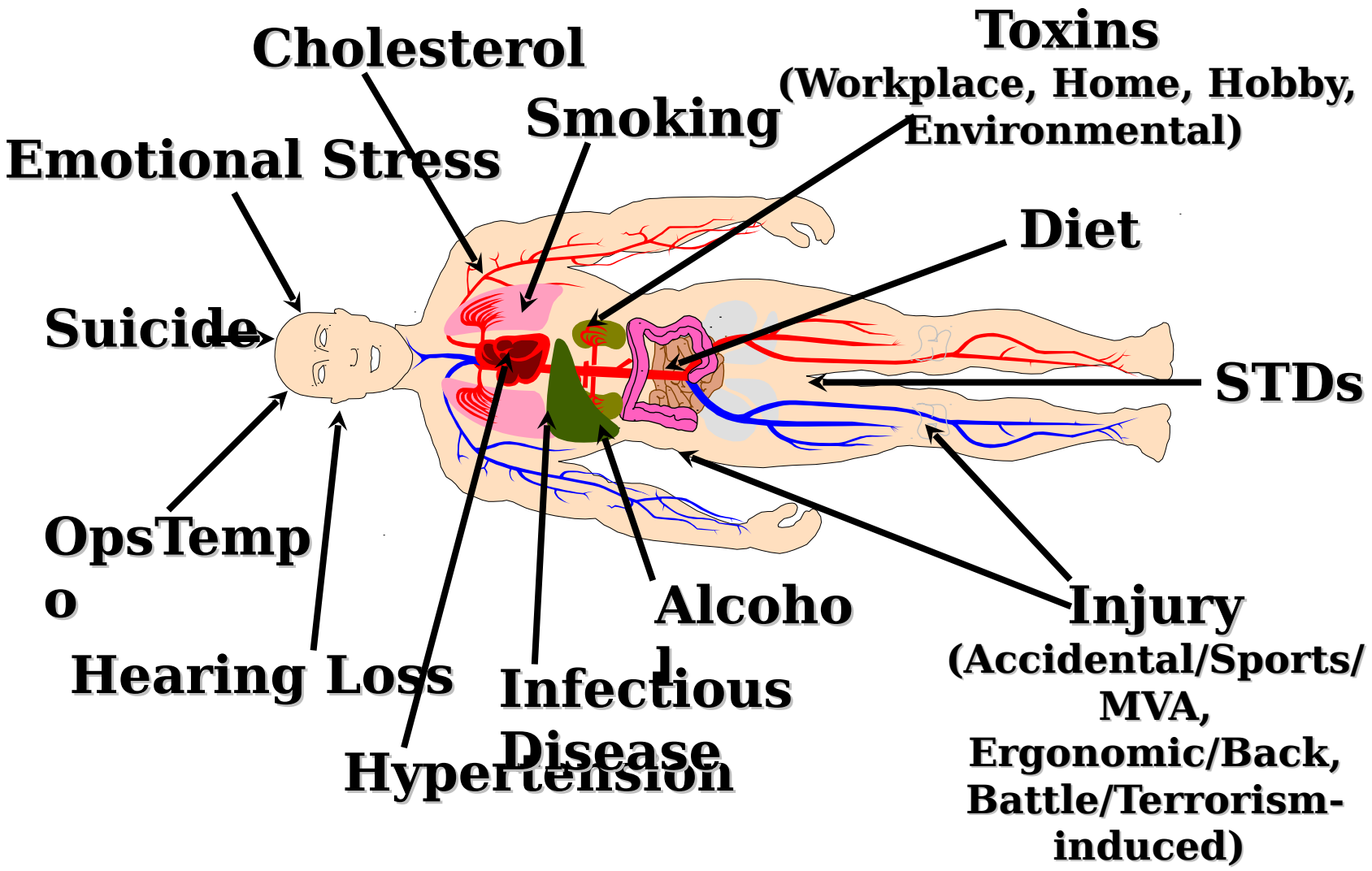


BACK UP SLIDES

HUMAN WEAPON SYSTEM
F100 Engine Performance Threats

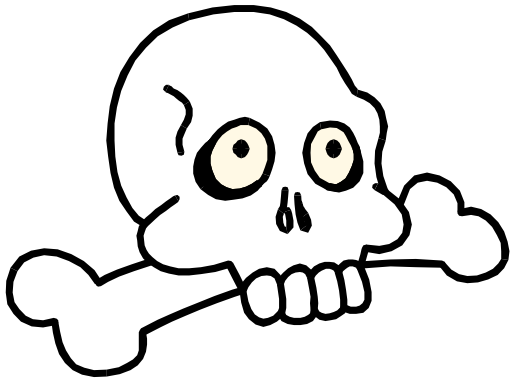


HUMAN WEAPON SYSTEM
Performance Threats

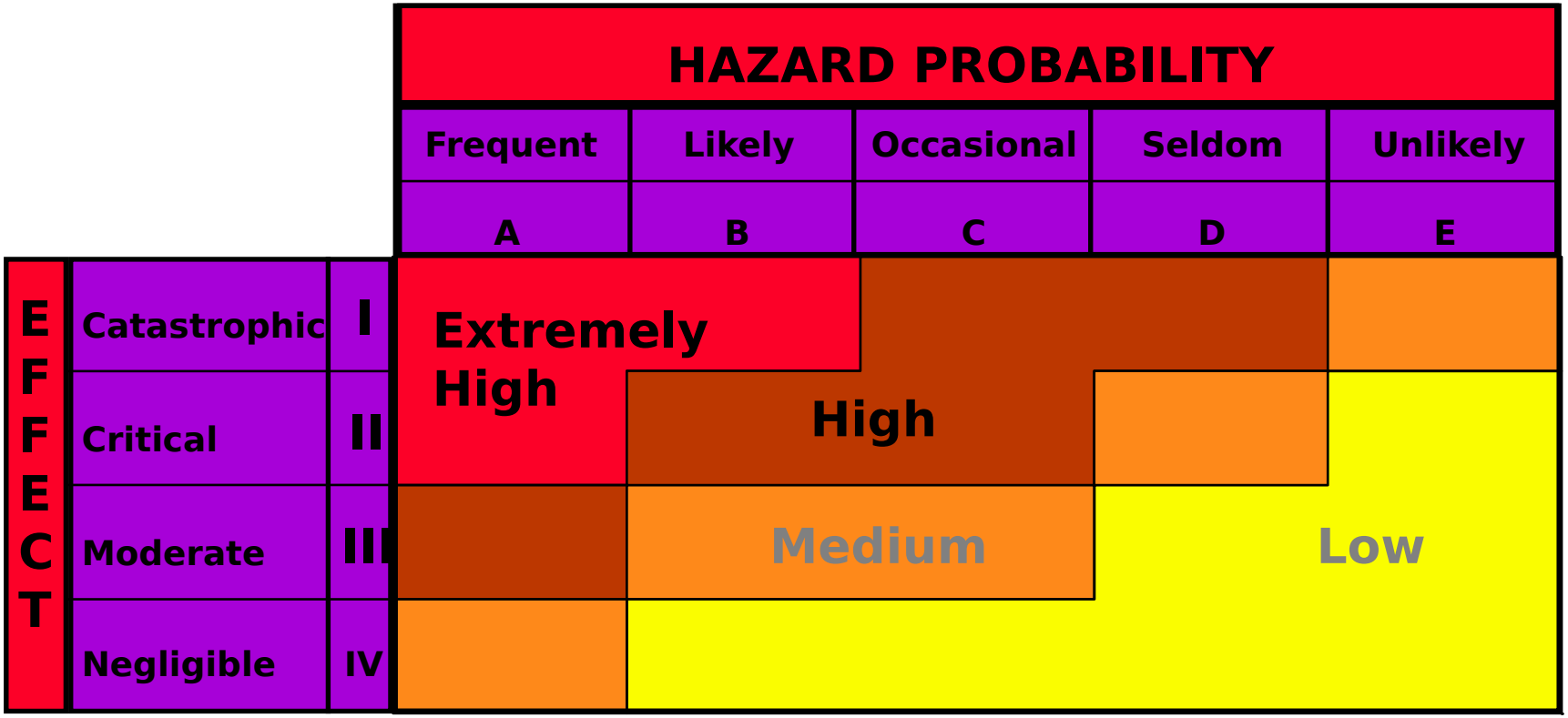


TOXICITY

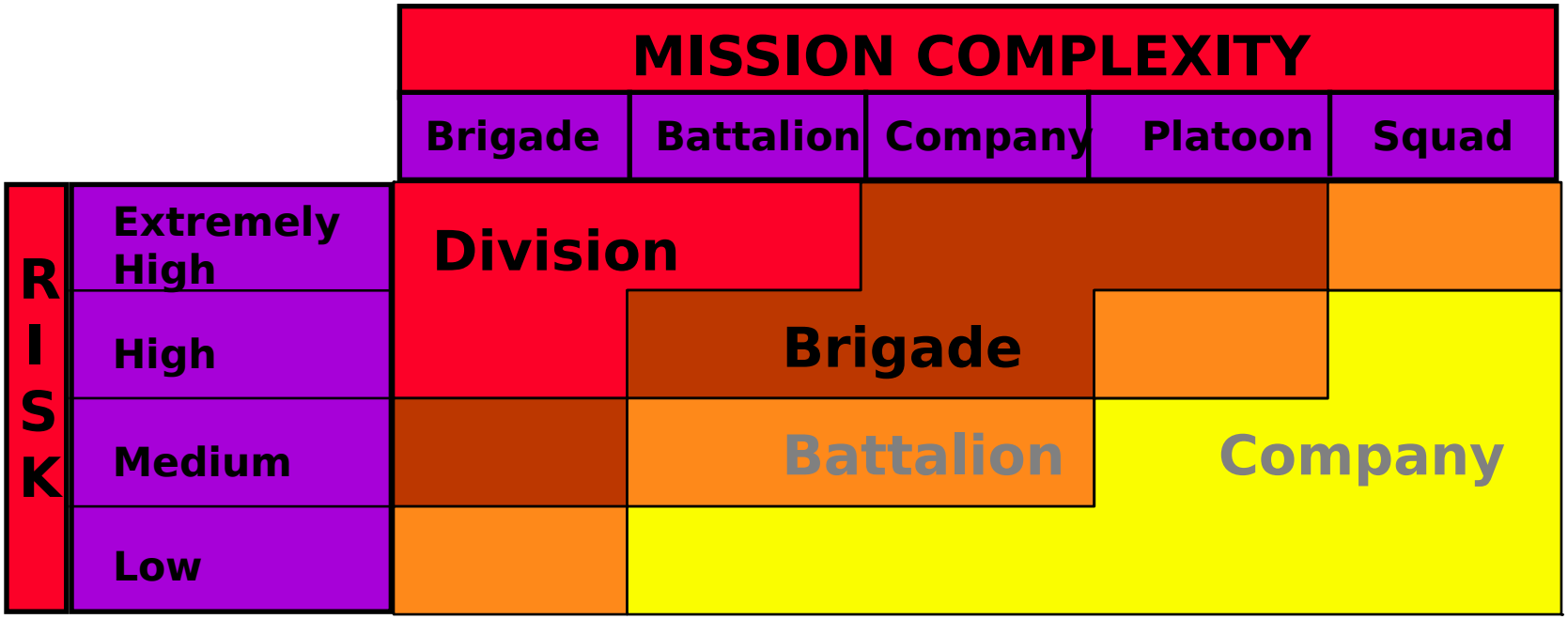
- Capacity of a substance to harm an organism
- All substances are poisons…there is none which is entirely “safe”.
- The proper DOSAGE differentiates a poison from a remedy



Safety Risk Assessment Matrix (RAM)



Risk Decision
-make the risk decision at the proper level-



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